

## ABSTRACT OF THE DISCLOSURE

A compact refrigerator has a split cabinet defining insulated refrigerator and clear ice maker sections. Its refrigeration system includes one external compressor and condenser and two evaporators, one for each section. The  
5 condenser is coupled to the inlet of the ice maker evaporator by a capillary tube and the evaporators are connected in series via a line having a refrigerator valve.

The compressor receives return refrigerant from the outlet side of either the refrigerator evaporator or the ice maker evaporator depending on the state of a bypass valve, which is closed when the refrigerator valve is open, and vice versa.

10 Refrigerant is thus routed to the ice maker evaporator to make ice and to both the ice maker and refrigerator evaporators when the refrigerator needs cooling. A hot gas bypass valve allows pre-condensed refrigerant exiting the compressor to bypass the condenser and be routed to the ice maker evaporator for harvesting the clear ice cubes.